

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE MAY 4 1992

In re Application of )  
MORTON et al. )  
Serial No. 07/431,533 )  
Filed: November 3, 1989 )  
For: URINARY TUMOR ASSOCIATED )  
ANTIGEN, ANTIGENIC SUB- )  
UNITS AND METHODS OF )  
DETECTION )

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231, on 4/28/92

By Cathryn Campbell Reg. 31,815

Date of Signature

Dubrule, C  
13X 11/9/92  
5071

Hon. Commissioner of  
Patents and Trademarks  
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with 37.C.F.R. 1.97, enclosed are references relating to the above-identified application. For the convenience of the Examiner, these references are listed on the attached Form PTO-1449 and a copy of each is enclosed herewith.

Great Britain Patent Application No. GB 2140030, Yoshimura et al., Monoclonal antibody to human urinary bladder cancer (1984).

European Patent Application 306,995, Hellstrom et al., Tumor immunotherapy using anti-idiotypic antibodies (1989).

United States Patent No. 4,806,628, Albino et al.,  
Monoclonal antibodies against melanocytes (1989).

United States Patent No. 4,810,781, Hollinshead, Ariel,  
Methods of preparing epitopes of tumor associated antigens  
(1989).

Great Britain Application No. 2188637, Brown et al.,  
Vaccines against melanoma (1987).

United States Patent No. 4,562,160, Real et al.,  
Melanoma tumor antigen and autologous antibody (1985).

Euhus et al., Detection of a tumor-associated  
glycoprotein antigen in serum and urine of melanoma patients by  
murine monoclonal antibody (AD1-40F4) in enzyme immunoassay. J.  
Clin. Lab. Anal. 3:184-190 (1989).

Euhus et al., Induction of antibodies to a tumor-  
associated antigen by immunization with a whole melanoma cell  
vaccine. 29:247-254 (1989).

Rote et al., Determination of incidence and partial  
characterization of tumor-associated antigens found in the urine  
of patients bearing solid tumors. Int. J. Cancer 26:203-210  
(1980).

Zhang et al., Immunochemical and biochemical  
characterizations of two monoclonal antibodyreacting antigens  
associated with human bladder carcinoma. Cancer Res. 49:6621-  
6628 (1989).

Reisfeld, R., Human tumor-associated antigens defined  
by monoclonal antibodies. CRC Critical Reviews in Immunology  
5(1):27-53 (1984).

Brown et al., Structural characterization of human melanoma-associated antigen p97 with monoclonal antibodies. Chem. Abstracts 95(11), abstract no. 95294x (1981) and J. Immunol. 127(2):539-546 (1981).

Dippold et al., Cell surface antigens of human malignant melanoma: definition of six antigenic systems with mouse monoclonal antibodies. Chem. Abstracts 94(3), abstract no. 13890f (1981) and Proc. Natl. Acad. Sci. USA 77(10):6114-6118 (1980).

Young et al., Production and characterization of mouse monoclonal antibodies to human bladder tumor-associated antigens. Cancer Res. 45:4439-4446 (1985).

Bystryn et al., Preparation and characterization of a polyvalent human melanoma antigen vaccine. J. Biol. Response Modifiers 5:211-224 (1986).

Liao et al., Difference in cell binding patterns of two monoclonal antibodies recognizing distinct epitopes on a human melanoma-associated oncofetal antigen. Mol. Immunol. 24(1):1-9 (1987).

Marx, J., Cancer vaccines show promise at last. Science 245:813-815 (1989).

LeBeau et al., Chromosomal sublocalization of the human p97 melanoma antigen. Hum. Genet. 72:294-296 (1986).

Hopman et al., In situ hybridization as a tool to study numerical chromosome aberrations in solid bladder tumors. Dialog Information Service, file 159, Cancerlit, accession no. 0584557 & Histochemistry 89(4):307-16.

Hopman et al., Detection of numerical chromosome aberrations in bladder cancer by in situ hybridization. Am. J. Pathol. 136(6):1105-1117 (1989).

Doneda et al., In situ hybridization analysis of interstitial C-heterochromatin in marker chromosomes of two human melanomas. Dialog Information Service, file 159, Cancerlit, accession no. 00714302 & Am. J. Pathol. 135(6):1105-1117.

Gupta et al., Immunologic similarity between tumor-associated antigens detected in urine of melanoma patients and those expressed by melanoma cells. Dialog Information Service, file 159, Cancerlit, accession no. 0330339 & Proc. Annu. Meet. Am. Soc. Clin. Oncol. 3:9.

Paulie et al., Monoclonal antibodies to antigens associated with transitional cell carcinoma of the human urinary bladder. Cancer Immunol. Immunother. 17:173-179 (1984).

Gupta and Morton, Detection of cancer-associated antigen(s) in urine of sarcoma patients. J. Surg. Oncol. 11:65-74 (1979).

Huth et al., Sequential analysis of urinary antigen(s) in patients with sarcoma. Surgical Forum XXX (1979).

Rote et al., Tumor-associated antigens detected by autologous sera in urine patients with solid neoplasms. J. Surg. Res. 29:18-22 (1980).

Huth et al., Purification of antigens from urine of a sarcoma patient by affinity chromatography. J. Surg. Oncol. 18:237-247 (1981).

Huth et al., Assessment of in vivo effectiveness of tumoricidal chemotherapy and radiation therapy by serial analysis

of tumor-associated urinary antigen titers in patients with sarcoma. Cancer Treat. Rep. 65:1037-1042 (1981).

Huth et al., Relationship between circulating immune complexes and urinary antigens in human malignancy. Cancer 49(6):1150-1157 (1982).

Finck et al., Excretion of tumor-associated antigen(s) in the urine of patients with colon carcinoma. J. Surg. Oncol. 21:81-86 (1982).

Huth et al., A prospective postoperative evaluation of urinary tumor-associated antigens in sarcoma patients. Cancer 53(6):1306-1310 (1984).

Gupta et al., Prognostic significance of urinary antigen analysis by enzyme-linked immunosorbent assay in melanoma patients. Diag. Immunol. 1:303-309 (1983).


Euhus et al., Measurement of a glycoprotein tumor associated antigen (TAA) using antibodies of different isotypes from a melanoma patient. FASEB, abstract no. 8947 (1988).

Euhus et al., A murine monoclonal antibody to a glycoprotein tumor associated antigen in sera and urine of melanoma patients. AACR, abstract no. 1566 (1988).

It is respectfully requested that the above references  
be made of written record in the application file.

R spectfully submitted,

4/28/92  
Date

  
Cathryn Campbell  
Registration No.: 31,815  
Telephone: (619) 535-9001  
Facsimile: (619) 535-8949

Pretty, Schroeder, Brueggemann  
& Clark  
444 South Flower Street  
Suite 2000  
Los Angeles, California 90071